CLAIMS:

1. An aggregated composition comprising (a) a polypeptide having the transport function of VP22, and (b) an oligonucleotide or polynucleotide.

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- 2. An aggregated composition according to claim 1, which further comprises a pharmaceutically acceptable excipient.
- 3. An aggregated composition according to claim 1, wherein the polypeptide is a VP22 fragment comprising amino acid residues 159-301 of VP22.
 - 4. An aggregated composition according to claim 1, wherein the oligonucleotide or polynucleotide comprises a circular plasmid.

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- 5. An aggregated composition according to claim 1, wherein the oligonucleotide or polynucleotide comprises modified phosphodiester linkages.
- An aggregated composition according to claim 5, wherein the
 modified phosphodiester linkages comprise phosphorothicate linkages.
 - 7. An aggregated composition according to claim 1, wherein the oligonucleotide or polynucleotide is labeled with a detectable label.

8. An aggregated composition according to claim 1, wherein the oglionucleotide or polynucleotide is selected from the group consisting of: an antisense molecule, a ribozyme molecule, a chimeroplast, and a polynucleotide capable of binding a transcription factor.

30 9. An aggregated composition according to claim 1, wherein the oligonucleotide or polynucleotide encodes a protein or peptide.

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10. An aggregated composition according to claim 1, wherein the polypeptide is a fusion protein comprising a non-VP22 peptide or protein.

11. An aggregated composition according to claim 10, wherein the non-VP22 polypeptide sequence is linked to the polypeptide having the transport function of VP22 by a cleavage-susceptible amino acid sequence.

- 12. An aggregated composition according to claim 1, wherein the polypeptide is conjugated to a glycoside.
- 13. An aggregated composition according to claim 1, wherein the oligonucleotide or polynucleotide is coupled to a non-nucleotide molecule.
- 14. An aggregated composition according to claim 1, wherein the aggregate comprises polypeptide and nucleotide in a ratio of at least 1 to 1.
 - 15. An aggregated composition according to claim 1, wherein the oligonucleotide or polynucleotide comprises at least about 10 bases.
- 20 16. An aggregated composition according to claim 1, which comprises particles of said aggregated composition having a particle size in the range of about 0.1 to about 5 microns.
- 17. An aggregated composition according to claim 1, wherein said polypeptide and said nucleotide are encapsulated in a liposome.

18. A method of making an aggregated composition according to claim 1 comprising, (a) mixing a polypeptide with the transport function of VP22, with the oligonucleotide or polynucleotide, and, (b) allowing the mixture obtained in step (a) to form aggregates.

19. A method according to claim 18, wherein the polypeptide is mixed with nucleotide in a ratio of at least 1 to 1 of polypeptide to nucleotide.

20. A method of delivering molecules to a cell in vitro comprising (a) contacting said cell with an asgregated composition according to claim-1.

21. A cell preparation which as been treated with an aggregated composition according to claim 1.

22. The method of claim 18, wherein the aggregates have a particle size of about 0.1 to about 5 microns.

23. The method of claim-20, further comprising (b) exposing the cell to light to promote disaggregation of the aggregated composition.